

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 6th to 9th December, 2016)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: Lower Dibang Valley

No: 98/2015-16/Tue

Dated: 6th Dec., 2016



Weather summary of the previous week	Weather forecast valid up to 9 th Dec., 2016
Rainfall = 0.0 mm (Roing)	Generally clear/dry weather forecasted. Max Temp=15°C and Min Temp=5°C, RH=14-52%, Wind Speed=6-7 kmph, Wind direction: E
Warning:	NIL

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- Spraying operation should be done only on dry/clear weather
- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

- **ICAR Basar recommend poultry variety VANARAJA for backyard rearing**

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Wetland Rice	Ripening/Harvesting	Gundhi bug	<ul style="list-style-type: none"> • Install local trap of dead frog/fermented fish etc against gundhi bug in rice.
Potato	vegetative		<ul style="list-style-type: none"> • Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. • Weeding and application of fertilizer as per recommended doses is suggested in potato.
Pea	Seedling	Powdery mildew	<ul style="list-style-type: none"> • Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. • Foliar spray of urea@2% for moisture stress • Provide irrigation to plants • Complete sowing by 1st fortnight of Nov. for better yield • Treat pea with rhizobium@2gm/kg seed before sowing or treat with carbendazim @ 2g/kg seed before sowing • Spray Sulfex@2gm/lit water
Black Gram & Green Gram	Vegetative	Powdery mildew	<ul style="list-style-type: none"> • Life saving irrigation and mulching recommended • Foliar spray of urea@2% for moisture stress • Spray Sulfex@2gm/lit water
Mustard/rapeseed	Seedling stage	White Rust Alternaria blight Aphids	<ul style="list-style-type: none"> • Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. • Spray Blitox@0.25% at 10-15 days interval • Spray Indofil-45@2.5g/l as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.
VEGETABLES			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> • Life saving irrigation and mulching • Drench newly sown vegetable seedling with Chlorpyrifos 20 EC@2ml/lit water (in evening time) against cut-worm. • Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> • Life saving irrigation and mulching recommended • Spray micronutrients like Multiplex@0.2% • Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> • Collect and dispose rotten fruits • Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange. • Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer. • On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water. • Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop • Install fruit fly traps • Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.
Large Cardamom	Vegetative		<ul style="list-style-type: none"> • Remove dry, diseased and old tillers and branches and spray Bio NPK@2ml/lit water for proper growth
Banana	Bunching		<ul style="list-style-type: none"> • Cover bunches with banana bunch covers or sacks or locally available materials to protect cold/frost.

AGROFORESTRY			
Bamboo	Growing		<ul style="list-style-type: none"> • Avoid cutting • Edible shoots can be harvested
Toko Palm and other MPTs	Growing		<ul style="list-style-type: none"> • Avoid injury • Weeding, cleaning recommended
Honey Bees			
			<ul style="list-style-type: none"> • Good season for trapping/catching of local honey bee colonies as this is the peak swarming season. • Harvesting could be done on highly populated colonies should be divided.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none"> • Deworming and vaccination as per recommended schedule. • Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.
Poultry	All stages		<ul style="list-style-type: none"> • Provide proper bedding materials (Straw, rice husk etc) • Deworming at regular interval • Provide warmth@ 2 watt/chick • Close ventilation and openings in houses
Fishery			<ul style="list-style-type: none"> • Application of quick lime is highly recommended in order to rectify water pH. • Application of fish feed (mustard oil cake) is essential for achieving higher yield
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none"> • Deworming with antihelmintic drugs like oxclozanide or pyrantel.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

Issued jointly by ICAR-RC for NEH Region, Arunachal Pradesh Centre, Basar and India Meteorological Department
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Agrometeorological Field Unit
 ICAR, BASAR

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GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: Lower Subansiri

No: 98/2015-16/Tue

Dated: 6th Dec., 2016



Weather summary of the previous week	Weather forecast valid up to 9 th Dec., 2016
Rainfall = 0.0 mm (Ziro)	Generally clear/dry weather forecasted. Max Temp=10°C and Min Temp=1°C, RH=17-60%, Wind Speed=4-8 kmph, Wind direction: WSW
Warning:	NIL

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- Spraying operation should be done only on dry/clear weather
- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
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- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Wetland Rice	Ripening/Harvesting	Gundhi bug	<ul style="list-style-type: none"> Install local trap of dead frog/fermented fish etc against gundhi bug in rice.
Potato	vegetative		<ul style="list-style-type: none"> Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. Weeding and application of fertilizer as per recommended doses is suggested in potato.
Pea	Seedling	Powdery mildew	<ul style="list-style-type: none"> Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. Foliar spray of urea@2% for moisture stress Provide irrigation to plants Complete sowing by 1st fortnight of Nov. for better yield Treat pea with rhizobium@2gm/kg seed before sowing or treat with carbendazim @ 2g/kg seed before sowing Spray Sulfex@2gm/lit water
Black Gram & Green Gram	Vegetative	Powdery mildew	<ul style="list-style-type: none"> Life saving irrigation and mulching recommended Foliar spray of urea@2% for moisture stress Spray Sulfex@2gm/lit water
Mustard/rapeseed	Seedling stage	White Rust Alternaria blight Aphids	<ul style="list-style-type: none"> Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. Spray Blitox@0.25% at 10-15 days interval Spray Indofil-45@2.5g/l as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.
VEGETABLES			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> Drench newly sown vegetable seedling with Chlorpyrifos 20 EC@2ml/lit water (in evening time) against cut-worm. Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> Spray micronutrients like Multiplex@0.2% Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> Collect and dispose rotten fruits Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange. Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer. On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water. Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop Install fruit fly traps Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.
Banana	Bunching		<ul style="list-style-type: none"> Cover bunches with banana bunch covers or sacks or locally available materials to protect cold/frost.
AGROFORESTRY			
Bamboo	Growing		<ul style="list-style-type: none"> Avoid cutting Edible shoots can be harvested
Toko Palm and other MPTs	Growing		<ul style="list-style-type: none"> Avoid injury Weeding, cleaning recommended

Honey Bees			
			<ul style="list-style-type: none"> • Good season for trapping/catching of local honey bee colonies as this is the peak swarming season. • Harvesting could be done or highly populated colonies should be divided.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none"> • Deworming and vaccination as per recommended schedule. • Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.
Poultry	All stages		<ul style="list-style-type: none"> • Provide proper bedding materials (Straw, rice husk etc) • Deworming at regular interval • Provide warmth@ 2 watt/chick • Close ventilation and openings in houses
Fishery			<ul style="list-style-type: none"> • Application of quick lime is highly recommended in order to rectify water pH. • Application of fish feed (mustard oil cake) is essential for achieving higher yield
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none"> • Deworming with anthelmintic drugs like oxclozanide or pyrantel.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: Papum Pare

No: 98/2015-16/Tue

Dated: 6th Dec., 2016



Weather summary of the previous week	Weather forecast valid up to 9 th Dec., 2016
Rainfall: 0.0 mm; T.Max: 31.0°C; T.Min: 14°C ; RH: 55-77 %	Generally clear/dry weather forecasted. Max Temp=29°C and Min Temp=13°C, RH=22-83%, Wind Speed=4-6 kmph, Wind direction: ESE
Warning:	NIL

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- Spraying operation should be done only on dry/clear weather
- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

- **ICAR Basar recommend poultry variety VANARAJA for backyard rearing**

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Wetland Rice	Ripening/Harvesting	Gundhi bug	<ul style="list-style-type: none"> • Install local trap of dead frog/fermented fish etc against gundhi bug in rice.
Potato	vegetative		<ul style="list-style-type: none"> • Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. • Weeding and application of fertilizer as per recommended doses is suggested in potato.
Pea	Seedling	Powdery mildew	<ul style="list-style-type: none"> • Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. • Foliar spray of urea@2% for moisture stress • Provide irrigation to plants • Complete sowing by 1st fortnight of Nov. for better yield • Treat pea with rhizobium@2gm/kg seed before sowing or treat with carbendazim @ 2g/kg seed before sowing • Spray Sulfex@2gm/lit water
Black Gram & Green Gram	Vegetative	Powdery mildew	<ul style="list-style-type: none"> • Life saving irrigation and mulching recommended • Foliar spray of urea@2% for moisture stress • Spray Sulfex@2gm/lit water
Mustard/rapeseed	Seedling stage	White Rust Alternaria blight Aphids	<ul style="list-style-type: none"> • Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. • Spray Blitox@0.25% at 10-15 days interval • Spray Indofilm-45@2.5g/l as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.
VEGETABLES			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> • Life saving irrigation and mulching • Drench newly sown vegetable seedling with Chlorpyrifos 20 EC@2ml/lit water (in evening time) against cut-worm. • Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> • Life saving irrigation and mulching recommended • Spray micronutrients like Multiplex@0.2% • Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> • Collect and dispose rotten fruits • Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange. • Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer. • On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water. • Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop • Install fruit fly traps • Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.
Large Cardamom	Vegetative		<ul style="list-style-type: none"> • Remove dry, diseased and old tillers and branches and spray Bio NPK@2ml/lit water for proper growth
Banana	Bunching		<ul style="list-style-type: none"> • Cover bunches with banana bunch covers or sacks or locally available materials to protect cold/frost.

AGROFORESTRY			
Bamboo	Growing		<ul style="list-style-type: none">• Avoid cutting• Edible shoots can be harvested
Toko Palm and other MPTs	Growing		<ul style="list-style-type: none">• Avoid injury• Weeding, cleaning recommended
Honey Bees			
			<ul style="list-style-type: none">• Good season for trapping/catching of local honey bee colonies as this is the peak swarming season.• Harvesting could be done on highly populated colonies should be divided.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none">• Deworming and vaccination as per recommended schedule.• Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.
Poultry	All stages		<ul style="list-style-type: none">• Provide proper bedding materials (Straw, rice husk etc)• Deworming at regular interval• Provide warmth@ 2 watt/chick• Close ventilation and openings in houses
Fishery			<ul style="list-style-type: none">• Application of quick lime is highly recommended in order to rectify water pH.• Application of fish feed (mustard oil cake) is essential for achieving higher yield
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none">• Deworming with antihelmintic drugs like oxclozanide or pyrantel.
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ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: Tawang

No: 98/2015-16/Tue

Dated: 6th Dec., 2016



Weather summary of the previous week	Weather forecast valid up to 9 th Dec., 2016
Rainfall = 7.0 mm	Generally clear/dry weather forecasted. Max Temp=15°C and Min Temp=4°C, RH=13-55%, Wind Speed=6-10 kmph, Wind direction: SW
Warning:	Nil

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- All spraying operation should be done only on dry/clear weather
- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Wetland Rice	Ripening/Harvesting	Gundhi bug	• Install local trap of dead frog/fermented fish etc against gundhi bug in rice.
Potato	vegetative		• Soil moisture conservation techniques like mulching with

			<p>crop residue and provide life saving irrigation to the crops recommended.</p> <ul style="list-style-type: none"> Weeding and application of fertilizer as per recommended doses is suggested in potato.
Pea	Seedling	Powdery mildew	<ul style="list-style-type: none"> Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. Foliar spray of urea@2% for moisture stress Provide irrigation to plants Complete sowing by 1st fortnight of Nov. for better yield Treat pea with rhizobium@2gm/kg seed before sowing or treat with carbendazim @ 2g/kg seed before sowing Spray Sulfex@2gm/lit water
Black Gram & Green Gram	Vegetative	Powdery mildew	<ul style="list-style-type: none"> Life saving irrigation and mulching recommended Foliar spray of urea@2% for moisture stress Spray Sulfex@2gm/lit water
Mustard/rapeseed	Seedling stage	White Rust Alternaria blight Aphids	<ul style="list-style-type: none"> Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. Spray Blitox@0.25% at 10-15 days interval Spray IndofilM-45@2.5g/l as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.
VEGETABLES			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> Life saving irrigation and mulching Drench newly sown vegetable seedling with Chlorpyrifos 20 EC@2ml/lit water (in evening time) against cut-worm. Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> Life saving irrigation and mulching recommended Spray micronutrients like Multiplex@0.2% Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> Collect and dispose rotten fruits Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange. Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer. On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water. Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop Install fruit fly traps Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.
Large Cardamom	Vegetative		<ul style="list-style-type: none"> Remove dry, diseased and old tillers and branches and spray Bio NPK@2ml/lit water for proper growth
Banana	Bunching	Cold	<ul style="list-style-type: none"> Cover newly emerged bunches with locally available sack to protect from cold/frost
Peach	Vegetative		<ul style="list-style-type: none"> Training/Pruning to be followed by cutting away all diseased and criss-cross branches following open centre system to harvest more solar energy.
AGROFORESTRY			
Bamboo	Growing		<ul style="list-style-type: none"> Avoid cutting Edible shoots can be harvested

Toko Palm and other MPTs	Growing		<ul style="list-style-type: none">• Avoid injury• Weeding, cleaning recommended
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none">• Deworming and vaccination as per recommended schedule.• Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.
Poultry	All stages		<ul style="list-style-type: none">• Provide proper bedding materials (Straw, rice husk etc)• Deworming at regular interval• Provide warmth@ 2 watt/chick• Close ventilation and openings in houses
Fishery			<ul style="list-style-type: none">• Application of quick lime is highly recommended in order to rectify water pH.• Application of fish feed (mustard oil cake) is essential for achieving higher yield
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none">• Deworming with antihelmintic drugs like oxclozanide or pyrantel.
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(Integrated Agro-Meteorological Advisory Services)



ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: Tirap

No: 98/2015-16/Tue

Dated: 6th Dec., 2016



Weather summary of the previous week	Weather forecast valid up to 9 th Dec., 2016
Rainfall = 0.0 mm (Deomali)	Generally clear/dry weather forecasted. Max Temp=24°C and Min Temp=10°C, RH=32-100%, Wind Speed=2-4 kmph, Wind direction: SE
Warning:	NIL

Weather Based Agro-meteorological Advisories Bulletin

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- Go for low cost polyhouses for year round cultivation of vegetables
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Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Wetland Rice	Ripening/Harvesting	Gundhi bug	<ul style="list-style-type: none">Install local trap of dead frog/fermented fish etc against gundhi bug in rice.
Potato	vegetative		<ul style="list-style-type: none">Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the

			<p>crops recommended.</p> <ul style="list-style-type: none"> Weeding and application of fertilizer as per recommended doses is suggested in potato.
Pea	Seedling	Powdery mildew	<ul style="list-style-type: none"> Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. Foliar spray of urea@2% for moisture stress Provide irrigation to plants Complete sowing by 1st fortnight of Nov. for better yield Treat pea with rhizobium@2gm/kg seed before sowing or treat with carbendazim @ 2g/kg seed before sowing Spray Sulfex@2gm/lit water
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VEGETABLES			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> Life saving irrigation and mulching Drench newly sown vegetable seedling with Chlorpyrifos 20 EC@2ml/lit water (in evening time) against cut-worm. Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> Life saving irrigation and mulching recommended Spray micronutrients like Multiplex @0.2% Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> Collect and dispose rotten fruits Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange. Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer. On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water. Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop Install fruit fly traps Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.
Large Cardamom	Vegetative		<ul style="list-style-type: none"> Remove dry, diseased and old tillers and branches and spray Bio NPK@2ml/lit water for proper growth
Banana	Bunching	Cold	<ul style="list-style-type: none"> Cover newly emerged bunches with locally available sack to protect from cold/frost
Pineapple	Fruiting/harvesting		<ul style="list-style-type: none"> Harvest the fruit with an inch of stalk to avoid spoilage from microorganism and to increase the shelf life of the fruit. The fruit must be harvested with crown (whorl of leaves attached to the apical end of the fruit) to prolong the freshness of fruit and avoid microbial attack. Pineapple is retained for about three crops. The subsequent rotation crops are borne by the suckers given out by the

			original plant. Only two of these suckers should be retained and all others removed. Slips should also be removed. Plants should be fertilised and earthed up so they can have good anchorage for a ratoon crop.
AGROFORESTRY			
Bamboo	Growing		<ul style="list-style-type: none"> • Avoid cutting • Edible shoots can be harvested
Toko Palm and other MPTs	Growing		<ul style="list-style-type: none"> • Avoid injury • Weeding, cleaning recommended
Honey Bees			
			<ul style="list-style-type: none"> • Good season for trapping/catching of local honey bee colonies as this is the peak swarming season. • Harvesting could be done or highly populated colonies should be divided.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none"> • Deworming and vaccination as per recommended schedule. • Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.
Poultry	All stages		<ul style="list-style-type: none"> • Provide proper bedding materials (Straw, rice husk etc) • Deworming at regular interval • Provide warmth@ 2 watt/chick • Close ventilation and openings in houses
Fishery			<ul style="list-style-type: none"> • Application of quick lime is highly recommended in order to rectify water pH. • Application of fish feed (mustard oil cake) is essential for achieving higher yield
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none"> • Deworming with antihelmintic drugs like oxclozanide or pyrantel.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agrometeorological Field Unit
 ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 6th to 9th December, 2016)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: Upper Siang

No: 98/2015-16/Tue

Dated: 6th Dec., 2016



Weather summary of the previous week	Weather forecast valid up to 9 th Dec., 2016
Rainfall = 0.0 mm (Tuting)	Generally clear/dry weather forecasted. Max Temp=11°C and Min Temp=2°C, RH=12-46%, Wind Speed=6-9 kmph, Wind direction: S
Warning:	NIL

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

- Disinfecting the animal/bird sheds with lime powder/bleaching powder/4%NaOH at regular interval is advocated
- Spraying operation should be done only on dry/clear weather
- Go for low cost poly-houses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

- **ICAR Basar recommend poultry variety VANARAJA for backyard rearing**

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Wetland Rice	Ripening/Harvesting	Gundhi bug	<ul style="list-style-type: none"> • Install local trap of dead frog/fermented fish etc against gundhi bug in rice.
Potato	vegetative		<ul style="list-style-type: none"> • Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. • Weeding and application of fertilizer as per recommended doses is suggested in potato.
Pea	Seedling	Powdery mildew	<ul style="list-style-type: none"> • Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. • Foliar spray of urea@2% for moisture stress • Provide irrigation to plants • Complete sowing by 1st fortnight of Nov. for better yield • Treat pea with rhizobium@2gm/kg seed before sowing or treat with carbendazim @ 2g/kg seed before sowing • Spray Sulfex@2gm/lit water
Black Gram & Green Gram	Vegetative	Powdery mildew	<ul style="list-style-type: none"> • Life saving irrigation and mulching recommended • Foliar spray of urea@2% for moisture stress • Spray Sulfex@2gm/lit water
Mustard/rapeseed	Seedling stage	White Rust Alternaria blight Aphids	<ul style="list-style-type: none"> • Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. • Spray Blitox@0.25% at 10-15 days interval • Spray Indofil-45@2.5g/l as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.
VEGETABLES			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> • Life saving irrigation and mulching • Drench newly sown vegetable seedling with Chlorpyrifos 20 EC@2ml/lit water (in evening time) against cut-worm. • Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> • Life saving irrigation and mulching recommended • Spray micronutrients like Multiplex@0.2% • Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> • Collect and dispose rotten fruits • Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange. • Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer. • On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water. • Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop • Install fruit fly traps • Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.
Large Cardamom	Vegetative		<ul style="list-style-type: none"> • Remove dry, diseased and old tillers and branches and spray Bio NPK@2ml/lit water for proper growth
Kiwi	Harvesting		<ul style="list-style-type: none"> • Should be harvested by snapping their stalks • Fruit should be stored boxes containing cushioning

			materials and transported to the market in hard condition.
Banana	Bunching	Cold	<ul style="list-style-type: none"> Cover newly emerged bunches with locally available sack to protect from cold/frost
AGROFORESTRY			
Bamboo	Growing		<ul style="list-style-type: none"> Avoid cutting Edible shoots can be harvested
Toko Palm and other MPTs	Growing		<ul style="list-style-type: none"> Avoid injury Weeding, cleaning recommended
Honey Bees			
			<ul style="list-style-type: none"> Good season for trapping/catching of local honey bee colonies as this is the peak swarming season. Harvesting could be done or highly populated colonies should be divided.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none"> Deworming and vaccination as per recommended schedule. Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.
Poultry	All stages		<ul style="list-style-type: none"> Provide proper bedding materials (Straw, rice husk etc) Deworming at regular interval Provide warmth@ 2 watt/chick Close ventilation and openings in houses
Fishery			<ul style="list-style-type: none"> Application of quick lime is highly recommended in order to rectify water pH. Application of fish feed (mustard oil cake) is essential for achieving higher yield
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none"> Deworming with anthelmintic drugs like oxclozanide or pyrantel.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 6th to 9th December, 2016)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

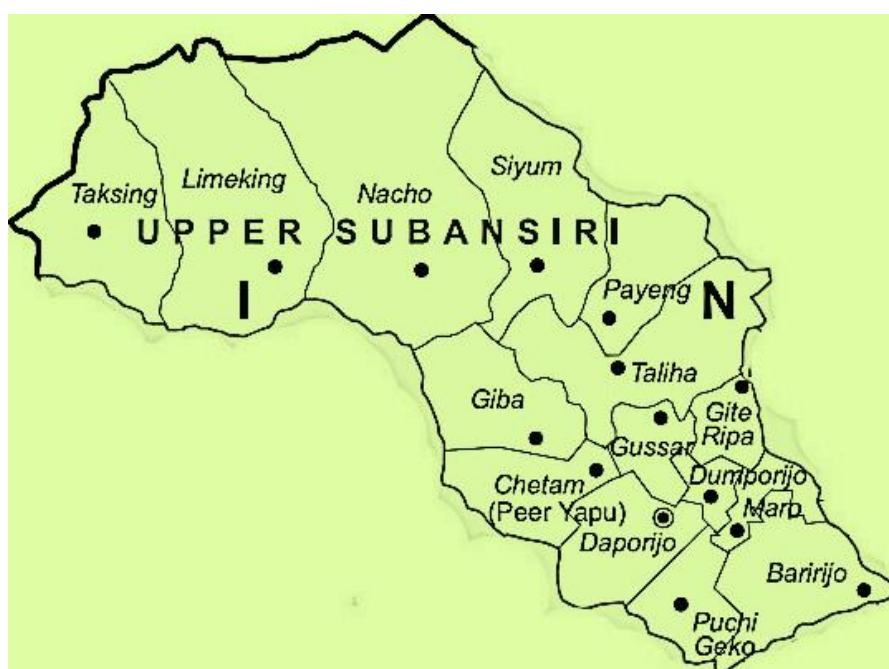


ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: Upper Subansiri

No: 98/2015-16/Tue

Dated: 6th Dec., 2016



Weather summary of the previous week	Weather forecast valid up to 9 th Dec., 2016
Rainfall = 0.0 mm (Puchi Geko); Daporijo: 0.0 mm	Generally clear/dry weather forecasted. Max Temp=17°C and Min Temp=9°C, RH=17-65%, Wind Speed=4-8 kmph, Wind direction: WNW
Warning	NIL

Weather Based Agro-meteorological Advisories Bulletin

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- Avoid spray of insecticides during flowering stage as it may hinder pollination by honey bees and other insects.
- Spraying operation should be done only on dry/clear weather
- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Wetland Rice	Ripening/Harvesting	Gundhi bug	<ul style="list-style-type: none">Install local trap of dead frog/fermented fish etc against gundhi bug in rice.
Potato	vegetative		<ul style="list-style-type: none">Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.Weeding and application of fertilizer as per recommended doses is suggested in potato.
Pea	Seedling	Powdery mildew	<ul style="list-style-type: none">Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.Foliar spray of urea@2% for moisture stressProvide irrigation to plantsComplete sowing by 1st fortnight of Nov. for better yieldTreat pea with rhizobium@2gm/kg seed before sowing or treat with carbendazim @ 2g/kg seed before sowingSpray Sulfex@2gm/lit water
Black Gram & Green Gram	Vegetative	Powdery mildew	<ul style="list-style-type: none">Life saving irrigation and mulching recommendedFoliar spray of urea@2% for moisture stressSpray Sulfex@2gm/lit water
Mustard/rapeseed	Seedling stage	White Rust Alternaria blight Aphids	<ul style="list-style-type: none">Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.Spray Blitox@0.25% at 10-15 days intervalSpray Indofil-45@2.5g/l as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.
VEGETABLES			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none">Drench newly sown vegetable seedling with Chlorpyrifos 20 EC@2ml/lit water (in evening time) against cut-worm.Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none">Spray micronutrients like Multiplex@0.2%Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none">Collect and dispose rotten fruitsSpray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange.Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer.On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water.Spray NAA@2ml/5lit of water to prevent pre-harvest fruit dropInstall fruit fly trapsNeed based foliar spray of Cypermethrin@4g/10ml against leaf miner.
Kiwi	Harvesting		<ul style="list-style-type: none">Should be harvested by snapping their stalksFruit should be stored boxes containing cushioning materials and transported to the market in hard condition.
Banana	Bunching	Cold	<ul style="list-style-type: none">Cover newly emerged bunches with locally available sack to protect from cold/frost

AGROFORESTRY			
Bamboo	Growing		<ul style="list-style-type: none"> • Avoid cutting • Edible shoots can be harvested
Toko Palm and other MPTs	Growing		<ul style="list-style-type: none"> • Avoid injury • Weeding, cleaning recommended
Honey Bees			
			<ul style="list-style-type: none"> • Good season for trapping/catching of local honey bee colonies as this is the peak swarming season. • Harvesting could be done or highly populated colonies should be divided.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none"> • Deworming and vaccination as per recommended schedule. • Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.
Poultry	All stages		<ul style="list-style-type: none"> • Provide proper bedding materials (Straw, rice husk etc) • Deworming at regular interval • Provide warmth@ 2 watt/chick • Close ventilation and openings in houses
Fishery			<ul style="list-style-type: none"> • Application of quick lime is highly recommended in order to rectify water pH. • Application of fish feed (mustard oil cake) is essential for achieving higher yield
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none"> • Deworming with antihelminthic drugs like oxclozanide or pyrantel.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agrometeorological Field Unit
 ICAR. BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 6th to 9th December, 2016)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: West Kameng

No: 98/2015-16/Tue

Dated: 6th Dec., 2016



Weather summary of the previous week	Weather forecast valid up to 9 th Dec., 2016
Rainfall = Bomdila: 0.0 mm NA; Bhalukpong: 0.0 mm	Generally clear/dry weather forecasted. Max Temp=16°C and Min Temp=5°C, RH=18-70%, Wind Speed=6-9 kmph, Wind direction: SSW
Warning:	NIL

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- Spraying operation should be done only on dry/clear weather
- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source

<ul style="list-style-type: none"> • Use fertilizers/pesticides as per recommended doses for the location • Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides • ICAR Basar recommend poultry variety VANARAJA for backyard rearing 			
Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Wetland Rice	Ripening/Harvesting	Gundhi bug	<ul style="list-style-type: none"> • Install local trap of dead frog/fermented fish etc against gundhi bug in rice.
Potato	vegetative		<ul style="list-style-type: none"> • Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. • Weeding and application of fertilizer as per recommended doses is suggested in potato.
Pea	Seedling	Powdery mildew	<ul style="list-style-type: none"> • Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. • Foliar spray of urea@2% for moisture stress • Provide irrigation to plants • Complete sowing by 1st fortnight of Nov. for better yield • Treat pea with rhizobium@2gm/kg seed before sowing or treat with carbendazim @ 2g/kg seed before sowing • Spray Sulfex@2gm/lit water
Black Gram & Green Gram	Vegetative	Powdery mildew	<ul style="list-style-type: none"> • Life saving irrigation and mulching recommended • Foliar spray of urea@2% for moisture stress • Spray Sulfex@2gm/lit water
Mustard/rapeseed	Seedling stage	White Rust Alternaria blight Aphids	<ul style="list-style-type: none"> • Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. • Spray Blitox@0.25% at 10-15 days interval • Spray Indofilm-45@2.5g/l as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.
VEGETABLES			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> • Life saving irrigation and mulching • Drench newly sown vegetable seedling with Chlorpyrifos 20 EC@2ml/lit water (in evening time) against cut-worm. • Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> • Life saving irrigation and mulching recommended • Spray micronutrients like Multiplex@0.2% • Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> • Collect and dispose rotten fruits • Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange. • Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer. • On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water. • Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop • Install fruit fly traps • Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.
Large Cardamom	Vegetative		<ul style="list-style-type: none"> • Remove dry, diseased and old tillers and branches and spray Bio NPK@2ml/lit water for proper growth

Kiwi	Harvesting		<ul style="list-style-type: none">• Should be harvested by snapping their stalks• Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.
Banana	Bunching	Cold	<ul style="list-style-type: none">• Cover newly emerged bunches with locally available sack to protect from cold/frost
AGROFORESTRY			
Bamboo	Growing		<ul style="list-style-type: none">• Avoid cutting• Edible shoots can be harvested
Toko Palm and other MPTs	Growing		<ul style="list-style-type: none">• Avoid injury• Weeding, cleaning recommended
Honey Bees			
			<ul style="list-style-type: none">• Good season for trapping/catching of local honey bee colonies as this is the peak swarming season.• Harvesting could be done or highly populated colonies should be divided.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none">• Deworming and vaccination as per recommended schedule.• Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.
Poultry	All stages		<ul style="list-style-type: none">• Provide proper bedding materials (Straw, rice husk etc)• Deworming at regular interval• Provide warmth@ 2 watt/chick• Close ventilation and openings in houses
Fishery			<ul style="list-style-type: none">• Application of quick lime is highly recommended in order to rectify water pH.• Application of fish feed (mustard oil cake) is essential for achieving higher yield
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none">• Deworming with antihelmintic drugs like oxclozanide or pyrantel.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 6th to 9th December, 2016)

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GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: West Siang

No: 98/2015-16/Tue

Dated: 6th Dec., 2016



Basar: Latitude: 27°59.53/Longitude: 94.41.269/Altitude: 616 amsl

Weather summary of the previous week	Weather forecast valid up to 9 th Dec., 2016
Rainfall = 0.0 mm. T. Max: 22.8°C, T. Min: 8.0 °C, RH: 51-97%, Wind Speed: 3-7 kmps, Wind Direction: ENE	Generally clear/dry weather forecasted. Max Temp=24°C and Min Temp=13°C, RH=18-69%, Wind Speed=5-7 kmph, Wind direction: WNW
Warning:	NIL

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

- **Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated**
- **Go for low cost polyhouses for year round cultivation of vegetables**
- **Obtain seeds from reputed/certified/reliable source**
- **Use fertilizers/pesticides as per recommended doses for the location**
- **Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides**
- **ICAR Basar recommend poultry variety VANARAJA for backyard rearing**

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Wetland Rice	Ripening/Harvesting	Gundhi bug	<ul style="list-style-type: none"> • Install local trap of dead frog/fermented fish etc against gundhi bug in rice.
Potato	vegetative		<ul style="list-style-type: none"> • Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. • Weeding and application of fertilizer as per recommended doses is suggested in potato.
Pea	Seedling	Powdery mildew	<ul style="list-style-type: none"> • Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. • Foliar spray of urea@2% for moisture stress • Provide irrigation to plants • Complete sowing by 1st fortnight of Nov. for better yield • Treat pea with rhizobium@2gm/kg seed before sowing or treat with carbendazim @ 2g/kg seed before sowing • Spray Sulfex@2gm/lit water
Black Gram & Green Gram	Vegetative	Powdery mildew	<ul style="list-style-type: none"> • Life saving irrigation and mulching recommended • Foliar spray of urea@2% for moisture stress • Spray Sulfex@2gm/lit water
Mustard/rapeseed	Seedling stage	White Rust Alternaria blight Aphids	<ul style="list-style-type: none"> • Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. • Spray Blitox@0.25% at 10-15 days interval • Spray IndofilM-45@2.5g/l as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.
VEGETABLES			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> • Life saving irrigation and mulching • Drench newly sown vegetable seedling with Chlorpyrifos 20 EC@2ml/lit water (in evening time) against cut-worm. • Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> • Life saving irrigation and mulching recommended • Spray micronutrients like Multiplex @0.2% • Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> • Collect and dispose rotten fruits • Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange. • Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer. • On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water.

			<ul style="list-style-type: none">• Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop• Install fruit fly traps• Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.
Large Cardamom	Vegetative		<ul style="list-style-type: none">• Remove dry, diseased and old tillers and branches and spray Bio NPK@2ml/lit water for proper growth
Kiwi	Harvesting		<ul style="list-style-type: none">• Should be harvested by snapping their stalks• Fruit should be stored boxes containing cushioning materials and transported to the market in hard condition.
Banana	Bunching	Cold	<ul style="list-style-type: none">• Cover newly emerged bunches with locally available sack to protect from cold/frost
AGROFORESTRY			
Bamboo	Growing		<ul style="list-style-type: none">• Avoid cutting• Edible shoots can be harvested
Toko Palm and other MPTs	Growing		<ul style="list-style-type: none">• Avoid injury• Weeding, cleaning recommended
Honey Bees			
			<ul style="list-style-type: none">• Good season for trapping/catching of local honey bee colonies as this is the peak swarming season.• Harvesting could be done or highly populated colonies should be divided.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none">• Deworming and vaccination as per recommended schedule.• Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.
Poultry	All stages		<ul style="list-style-type: none">• Provide proper bedding materials (Straw, rice husk etc)• Deworming at regular interval• Provide warmth@ 2 watt/chick• Close ventilation and openings in houses
Fishery			<ul style="list-style-type: none">• Application of quick lime is highly recommended in order to rectify water pH.• Application of fish feed (mustard oil cake) is essential for achieving higher yield
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none">• Deworming with antihelmintic drugs like oxclozanide or pyrantel.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

Issued jointly by ICAR-RC for NEH Region, Arunachal Pradesh Centre, Basar and India Meteorological Department
Contact: - IAAS.BASAR@gmail.com, Phone Number: - 03795-226247/37, -96 (Fax)

Agrometeorological Field Unit
ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 6th to 9th December, 2016)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: Anjaw

No: 98/2015-16/Tue

Dated: 6th Dec., 2016



Hawai: Latitude: 28.2179994/ Longitude: 94.7277528/Altitude: 1296 m amsl

Weather summary of the previous week	Weather forecast valid up to 9 th Dec., 2016
Rainfall = NA	Generally clear/dry weather forecasted. Max Temp=19°C and Min Temp=7°C, RH=9-48%, Wind Speed=7-10 kmph, Wind direction: E
Warning:	NIL

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

- Spraying operation should be done only on dry/clear weather
- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing
- Warning: Spraying of DDT in crops is lethal

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Wetland Rice	Ripening/Harvesting	Gundhi bug	<ul style="list-style-type: none"> Install local trap of dead frog/fermented fish etc against gundhi bug in rice.
Potato	vegetative		<ul style="list-style-type: none"> Weeding and application of fertilizer as per recommended doses is suggested in potato. Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended.
Pea	Seedling	Powdery mildew	<ul style="list-style-type: none"> Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. Foliar spray of urea@2% for moisture stress Provide irrigation to plants Complete sowing by 1st fortnight of Nov. for better yield Treat pea with rhizobium@2gm/kg seed before sowing or treat with carbendazim @ 2g/kg seed before sowing Spray Sulfex@2gm/lit water
Black Gram & Green Gram	Vegetative	Powdery mildew	<ul style="list-style-type: none"> Life saving irrigation and mulching recommended Foliar spray of urea@2% for moisture stress Spray Sulfex@2gm/lit water
Mustard/rapeseed	Seedling stage	White Rust Alternaria blight Aphids	<ul style="list-style-type: none"> Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. Spray Blitox@0.25% at 10-15 days interval Spray IndofilM-45@2.5g/l as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.
VEGETABLES			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> Life saving irrigation and mulching Drench newly sown vegetable seedling with Chlorpyrifos 20 EC@2ml/lit water (in evening time) against cut-worm. Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> Life saving irrigation and mulching recommended Spray micronutrients like Multiplex@0.2% Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> Collect and dispose rotten fruits Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange. Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer. On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water. Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop Install fruit fly traps Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.
Large Cardamom	Vegetative		<ul style="list-style-type: none"> Remove dry, diseased and old tillers and branches and spray Bio NPK@2ml/lit water for proper growth
Banana	Bunching	Cold	<ul style="list-style-type: none"> Cover newly emerged bunches with locally available sack to protect from cold/frost

Peach	Vegetative		<ul style="list-style-type: none">• Training/Pruning to be followed by cutting away all diseased and criss-cross branches following open centre system to harvest more solar energy.
AGROFORESTRY			
Bamboo	Growing		<ul style="list-style-type: none">• Avoid cutting• Edible shoots can be harvested
Toko Palm and other MPTs	Growing		<ul style="list-style-type: none">• Avoid injury• Weeding, cleaning recommended
Honey Bees			
			<ul style="list-style-type: none">• Good season for trapping/catching of local honey bee colonies as this is the peak swarming season.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none">• Deworming and vaccination as per recommended schedule.• Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.
Poultry	All stages		<ul style="list-style-type: none">• Provide proper bedding materials (Straw, rice husk etc)• Deworming at regular interval• Provide warmth@ 2 watt/chick• Close ventilation and openings in houses
Fishery			<ul style="list-style-type: none">• Check the growth of the fishes by netting.
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none">• Deworming with antihelmintic drugs like oxclozanide or pyrantel.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agrometeorological Field Unit
ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 6th to 9th December, 2016)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA
(Integrated Agro-Meteorological Advisory Services)



ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: Changlang

No: 98/2015-16/Tue

Dated: 6th Dec., 2016



Changlang (HQ): Latitude: 27.1305856/Longitude: 95.7342373/Altitude: 580 masl

Weather summary of the previous week	Weather forecast valid up to 9 th Dec., 2016
Rainfall = Changlang: 0.0 mm Miao: 0.0 mm	Generally clear/dry weather forecasted. Max Temp=23°C and Min Temp=9°C, RH=21-62%, Wind Speed= 4-6 kmph, Wind direction: E
Warning	NIL

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

- Spraying operation should be done only on dry/clear weather
- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Wetland Rice	Ripening/Harvesting	Gundhi bug	<ul style="list-style-type: none"> Install local trap of dead frog/fermented fish etc against gundhi bug in rice.
Potato	vegetative		<ul style="list-style-type: none"> Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. Weeding and application of fertilizer as per recommended doses is suggested in potato.
Pea	Seedling	Powdery mildew	<ul style="list-style-type: none"> Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. Foliar spray of urea@2% for moisture stress Provide irrigation to plants Complete sowing by 1st fortnight of Nov. for better yield Treat pea with rhizobium@2gm/kg seed before sowing or treat with carbendazim @ 2g/kg seed before sowing Spray Sulfex@2gm/lit water
Black Gram & Green Gram	Vegetative	Powdery mildew	<ul style="list-style-type: none"> Life saving irrigation and mulching recommended Foliar spray of urea@2% for moisture stress Spray Sulfex@2gm/lit water
Mustard/rapeseed	Seedling stage	White Rust Alternaria blight Aphids	<ul style="list-style-type: none"> Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. Spray Blitox@0.25% at 10-15 days interval Spray Indofil-45@2.5g/l as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.
VEGETABLES			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> Life saving irrigation and mulching Drench newly sown vegetable seedling with Chlorpyrifos 20 EC@2ml/lit water (in evening time) against cut-worm. Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> Life saving irrigation and mulching recommended Spray micronutrients like Multiplex@0.2% Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> Collect and dispose rotten fruits Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange. Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer. On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water. Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop Install fruit fly traps Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.
Large Cardamom	Vegetative		<ul style="list-style-type: none"> Remove dry, diseased and old tillers and branches and spray Bio NPK@2ml/lit water for proper growth
Banana	Bunching		<ul style="list-style-type: none"> Cover bunches with banana bunch covers or sacks or locally available materials to protect cold/frost.
AGROFORESTRY			

Bamboo			<ul style="list-style-type: none">Loosening of soil and application of fertilizers
Toko Palm and other MPTs	Vegetative		<ul style="list-style-type: none">Weeding and application of fertilizers
Honey Bees			
			<ul style="list-style-type: none">Good season for trapping/catching of local honey bee colonies as this is the peak swarming season.Harvesting could be done or highly populated colonies should be divided.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none">Deworming and vaccination as per recommended schedule.Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.
Poultry	All stages		<ul style="list-style-type: none">Provide proper bedding materials (Straw, rice husk etc)Deworming at regular intervalProvide warmth@ 2 watt/chickClose ventilation and openings in houses
Fishery			<ul style="list-style-type: none">Application of quick lime is highly recommended in order to rectify water pH.Application of fish feed (mustard oil cake) is essential for achieving higher yield
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none">Deworming with antihelmintic drugs like oxclozanide or pyrantel.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agrometeorological Field Unit
ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 6th to 9th December, 2016)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

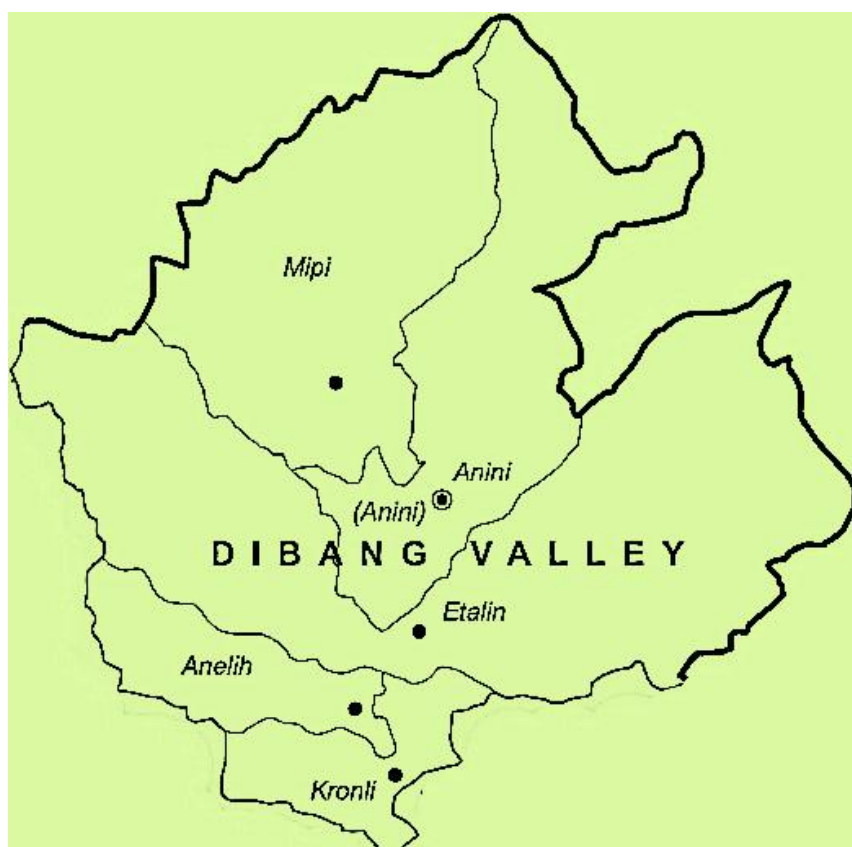


ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: Dibang Valley

No: 98/2015-16/Tue

Dated: 6th Dec., 2016



Anini: Latitude: 28.2179994/Longitude: 94.7277528/Altitude: 1968 masl

Weather summary of the previous week	Weather forecast valid up to 9 th Dec., 2016
Rainfall = 0.0 mm (Anini)	Generally clear/dry weather forecasted. Max Temp=15°C and Min Temp=5°C, RH=11-66%, Wind Speed=7-8 kmph, Wind direction: E
Warning:	NIL

Weather Based Agro-meteorological Advisories Bulletin

General recommendations

- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated
- Go for spray operation only on dry/clear weather.
- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Wetland Rice	Ripening/Harvesting	Gundhi bug	<ul style="list-style-type: none"> • Install local trap of dead frog/fermented fish etc against gundhi bug in rice.
Potato	vegetative		<ul style="list-style-type: none"> • Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. • Weeding and application of fertilizer as per recommended doses is suggested in potato.
Pea	Seedling	Powdery mildew	<ul style="list-style-type: none"> • Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. • Foliar spray of urea@2% for moisture stress • Provide irrigation to plants • Complete sowing by 1st fortnight of Nov. for better yield • Treat pea with rhizobium@2gm/kg seed before sowing or treat with carbendazim @ 2g/kg seed before sowing • Spray Sulfex@2gm/lit water
Black Gram & Green Gram	Vegetative	Powdery mildew	<ul style="list-style-type: none"> • Life saving irrigation and mulching recommended • Foliar spray of urea@2% for moisture stress • Spray Sulfex@2gm/lit water
Mustard/rapeseed	Seedling stage	White Rust Alternaria blight Aphids	<ul style="list-style-type: none"> • Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. • Spray Blitox@0.25% at 10-15 days interval • Spray IndofilM-45@2.5g/l as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.
VEGETABLES			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> • Life saving irrigation and mulching • Drench newly sown vegetable seedling with Chlorpyrifos 20 EC@2ml/lit water (in evening time) against cut-worm. • Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> • Life saving irrigation and mulching recommended • Spray micronutrients like Multiplex@0.2% • Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> • Collect and dispose rotten fruits • Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange. • Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer. • On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water. • Spray NAA@2ml/5lit of water to prevent pre-harvest

			fruit drop <ul style="list-style-type: none"> • Install fruit fly traps • Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.
Large Cardamom	Vegetative		<ul style="list-style-type: none"> • Remove dry, diseased and old tillers and branches and spray Bio NPK@2ml/lit water for proper growth
Banana	Bunching	Cold	<ul style="list-style-type: none"> • Cover newly emerged bunches with locally available sack to protect from cold/frost
AGROFORESTRY			
Bamboo	Growing		<ul style="list-style-type: none"> • Avoid cutting • Edible shoots can be harvested
Toko Palm and other MPTs	Growing		<ul style="list-style-type: none"> • Avoid injury • Weeding, cleaning recommended
Honey Bees			
			<ul style="list-style-type: none"> • Good season for trapping/catching of local honey bee colonies as this is the peak swarming season. • Harvesting could be done or highly populated colonies should be divided.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none"> • Deworming and vaccination as per recommended schedule. • Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.
Poultry	All stages		<ul style="list-style-type: none"> • Provide proper bedding materials (Straw, rice husk etc) • Deworming at regular interval • Provide warmth@ 2 watt/chick • Close ventilation and openings in houses
Fishery			<ul style="list-style-type: none"> • Application of quick lime is highly recommended in order to rectify water pH. • Application of fish feed (mustard oil cake) is essential for achieving higher yield
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none"> • Deworming with antihelminthic drugs like oxcyclozanide or pyrantel.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agrometeorological Field Unit
ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 6th to 9th December, 2016)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: East Kameng

No: 98/2015-16/Tue

Dated: 6th Dec., 2016



Weather summary of the previous week	Weather forecast valid up to 9 th Dec., 2016
Rainfall = 0.0 mm	Generally clear/dry weather forecasted. Max Temp=13°C and Min Temp=4°C, RH=17-73%, Wind Speed=5-8 kmph, Wind direction: SE
Warning:	NIL

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing
- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Wetland Rice	Ripening/Harvesting	Gundhi bug	<ul style="list-style-type: none"> Install local trap of dead frog/fermented fish etc against gundhi bug in rice.
Potato	vegetative		<ul style="list-style-type: none"> Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. Weeding and application of fertilizer as per recommended doses is suggested in potato.
Pea	Seedling	Powdery mildew	<ul style="list-style-type: none"> Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. Foliar spray of urea@2% for moisture stress Provide irrigation to plants Complete sowing by 1st fortnight of Nov. for better yield Treat pea with rhizobium@2gm/kg seed before sowing or treat with carbendazim @ 2g/kg seed before sowing Spray Sulfex@2gm/lit water
Black Gram & Green Gram	Vegetative	Powdery mildew	<ul style="list-style-type: none"> Life saving irrigation and mulching recommended Foliar spray of urea@2% for moisture stress Spray Sulfex@2gm/lit water
Mustard/rapeseed	Seedling stage	White Rust Alternaria blight Aphids	<ul style="list-style-type: none"> Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. Spray Blitox@0.25% at 10-15 days interval Spray Indofil-45@2.5g/l as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.
VEGETABLES			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> Life saving irrigation and mulching Drench newly sown vegetable seedling with Chlorpyrifos 20 EC@2ml/lit water (in evening time) against cut-worm. Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> Life saving irrigation and mulching recommended Spray micronutrients like Multiplex@0.2% Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> Collect and dispose rotten fruits Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange. Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer. On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water. Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop Install fruit fly traps Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.
Large Cardamom	Vegetative		<ul style="list-style-type: none"> Remove dry, diseased and old tillers and branches and spray Bio NPK@2ml/lit water for proper growth
Banana	Bunching		<ul style="list-style-type: none"> Cover bunches with banana bunch covers or sacks or locally available materials to protect cold/frost.

AGROFORESTRY			
Bamboo	Growing		<ul style="list-style-type: none">• Avoid cutting• Edible shoots can be harvested
Toko Palm and other MPTs	Growing		<ul style="list-style-type: none">• Avoid injury• Weeding, cleaning recommended
Honey Bees			
			<ul style="list-style-type: none">• Good season for trapping/catching of local honey bee colonies as this is the peak swarming season.• Harvesting could be done on highly populated colonies should be divided.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none">• Deworming and vaccination as per recommended schedule.• Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.
Poultry	All stages		<ul style="list-style-type: none">• Provide proper bedding materials (Straw, rice husk etc)• Deworming at regular interval• Provide warmth@ 2 watt/chick• Close ventilation and openings in houses
Fishery			<ul style="list-style-type: none">• Application of quick lime is highly recommended in order to rectify water pH.• Application of fish feed (mustard oil cake) is essential for achieving higher yield
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none">• Deworming with antihelmintic drugs like oxclozanide or pyrantel.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 6th to 9th December, 2016)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: East Siang

No: 98/2015-16/Tue

Dated: 6th Dec., 2016



Pasighat: Latitude: 28.0700/Longitude: 95.3300/Altitude: 153 masl

Weather summary of the previous week	Weather forecast valid up to 9 th Dec., 2016
Rainfall: 0.0 mm; T. Max: 28.0°C; T.Min: 16.0°C ; RH: 57-72 %	Generally clear/dry weather forecasted. Max Temp=28°C and Min Temp=14°C, RH=17-70%, Wind Speed=5-6 kmph, Wind direction: WNW
Warning:	Nil

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Wetland Rice	Ripening/Harvesting	Gundhi bug	<ul style="list-style-type: none"> Install local trap of dead frog/fermented fish etc against gundhi bug in rice.
Potato	vegetative		<ul style="list-style-type: none"> Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. Weeding and application of fertilizer as per recommended doses is suggested in potato.
Pea	Seedling	Powdery mildew	<ul style="list-style-type: none"> Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. Foliar spray of urea@2% for moisture stress Provide irrigation to plants Complete sowing by 1st fortnight of Nov. for better yield Treat pea with rhizobium@2gm/kg seed before sowing or treat with carbendazim @ 2g/kg seed before sowing Spray Sulfex@2gm/lit water
Black Gram & Green Gram	Vegetative	Powdery mildew	<ul style="list-style-type: none"> Life saving irrigation and mulching recommended Foliar spray of urea@2% for moisture stress Spray Sulfex@2gm/lit water
Mustard/rapeseed	Seedling stage	White Rust Alternaria blight Aphids	<ul style="list-style-type: none"> Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. Spray Blitox@0.25% at 10-15 days interval Spray Indofil-45@2.5g/l as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.
VEGETABLES			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> Life saving irrigation and mulching Drench newly sown vegetable seedling with Chlorpyrifos 20 EC@2ml/lit water (in evening time) against cut-worm. Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> Life saving irrigation and mulching recommended Spray micronutrients like Multiplex@0.2% Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> Collect and dispose rotten fruits Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange. Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer. On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water. Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop Install fruit fly traps Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.
Large Cardamom	Vegetative		<ul style="list-style-type: none"> Remove dry, diseased and old tillers and branches and spray Bio NPK@2ml/lit water for proper growth
Banana	Bunching		<ul style="list-style-type: none"> Cover bunches with banana bunch covers or sacks or locally available materials to protect cold/frost.
AGROFORESTRY			

Bamboo	Growing		<ul style="list-style-type: none">• Avoid cutting• Edible shoots can be harvested
Toko Palm and other MPTs	Growing		<ul style="list-style-type: none">• Avoid injury• Weeding, cleaning recommended
Honey Bees			
			<ul style="list-style-type: none">• Good season for trapping/catching of local honey bee colonies as this is the peak swarming season.• Harvesting could be done on highly populated colonies should be divided.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none">• Deworming and vaccination as per recommended schedule.• Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.
Poultry	All stages		<ul style="list-style-type: none">• Provide proper bedding materials (Straw, rice husk etc)• Deworming at regular interval• Provide warmth@ 2 watt/chick• Close ventilation and openings in houses
Fishery			<ul style="list-style-type: none">• Application of quick lime is highly recommended in order to rectify water pH.• Application of fish feed (mustard oil cake) is essential for achieving higher yield
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none">• Deworming with anthelmintic drugs like oxclozanide or pyrantel.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Contact: - IAAS.BASAR@gmail.com, Phone Number: - 03795-226247/37, -96 (Fax)

Agrometeorological Field Unit
ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 6th to 9th December, 2016)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: Kurung Kumey

No: 98/2015-16/Tue

Dated: 6th Dec., 2016



Koloriang: Latitude: 27.9167°/Longitude: 93.3500°/Altitude: 1040 masl

Weather summary of the previous week	Weather forecast valid up to 9 th Dec., 2016
Rainfall = NA	Generally clear/dry weather forecasted. Max Temp=16°C and Min Temp=8°C, RH=14-55%, Wind Speed=4-10 kmph, Wind direction: W
Warning	NIL

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

- Spray operations should be done only on dry/clear weather or in extreme case use stickers
- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing
- Disinfecting the animal/bird sheds with lime powder/ bleaching powder/ 4%NaOH at regular interval is advocated

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Wetland Rice	Ripening/Harvesting	Gundhi bug	<ul style="list-style-type: none"> Install local trap of dead frog/fermented fish etc against gundhi bug in rice.
Potato	vegetative		<ul style="list-style-type: none"> Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. Weeding and application of fertilizer as per recommended doses is suggested in potato.
Pea	Seedling	Powdery mildew	<ul style="list-style-type: none"> Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. Foliar spray of urea@2% for moisture stress Provide irrigation to plants Complete sowing by 1st fortnight of Nov. for better yield Treat pea with rhizobium@2gm/kg seed before sowing or treat with carbendazim @ 2g/kg seed before sowing Spray Sulfex@2gm/lit water
Black Gram & Green Gram	Vegetative	Powdery mildew	<ul style="list-style-type: none"> Life saving irrigation and mulching recommended Foliar spray of urea@2% for moisture stress Spray Sulfex@2gm/lit water
Mustard/rapeseed	Seedling stage	White Rust Alternaria blight Aphids	<ul style="list-style-type: none"> Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. Spray Blitox@0.25% at 10-15 days interval Spray Indofil-45@2.5g/l as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.
VEGETABLES			
Winter vegetables/ rabi crops	Seedling/vegetative	Cut worm/ leaf eating insects	<ul style="list-style-type: none"> Life saving irrigation and mulching Drench newly sown vegetable seedling with Chlorpyrifos 20 EC@2ml/lit water (in evening time) against cut-worm. Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables
Cabbage/Cauliflower	Vegetative	Nutritional Deficiency	<ul style="list-style-type: none"> Life saving irrigation and mulching recommended Spray micronutrients like Multiplex@0.2% Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc
HORTICULTURAL CROPS			
Citrus	Fruiting	Trunk borer, Fruit fly / pre-harvest fruit drop/ leaf miner	<ul style="list-style-type: none"> Collect and dispose rotten fruits Spray micronutrient like Multiplex@ 0.2% to compensate nutritional deficiency in orange. Do drenching with 0.05% <i>Dichlorvos</i> at base of plant for rectification of trunk-borer. On sunny day spray Spinosad 2.5 sc@ 2ml/10 lit of water. Spray NAA@2ml/5lit of water to prevent pre-harvest fruit drop Install fruit fly traps Need based foliar spray of Cypermethrin@4g/10ml against leaf miner.
Large Cardamom	Vegetative		<ul style="list-style-type: none"> Remove dry, diseased and old tillers and branches and spray Bio NPK@2ml/lit water for proper growth
Banana	Bunching		<ul style="list-style-type: none"> Cover bunches with banana bunch covers or sacks or locally available materials to protect cold/frost.
AGROFORESTRY			

Bamboo	Growing		<ul style="list-style-type: none">• Avoid cutting• Edible shoots can be harvested
Toko Palm and other MPTs	Growing		<ul style="list-style-type: none">• Avoid injury• Weeding, cleaning recommended
Honey Bees			
			<ul style="list-style-type: none">• Good season for trapping/catching of local honey bee colonies as this is the peak swarming season.• Harvesting could be done on highly populated colonies should be divided.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul style="list-style-type: none">• Deworming and vaccination as per recommended schedule.• Provide adequate bedding material (paddy straw, rice husk) to newly born piglets.
Poultry	All stages		<ul style="list-style-type: none">• Provide proper bedding materials (Straw, rice husk etc)• Deworming at regular interval• Provide warmth@ 2 watt/chick• Close ventilation and openings in houses
Fishery			<ul style="list-style-type: none">• Application of quick lime is highly recommended in order to rectify water pH.• Application of fish feed (mustard oil cake) is essential for achieving higher yield
Cattle/Mithun	All stages	FMD	<ul style="list-style-type: none">• Deworming with anthelmintic drugs like oxclozanide or pyrantel.
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कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 6th to 9th December, 2016)

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



ICAR Research Complex for NEH Region
Arunachal Pradesh Centre, Basar-791101

District: Lohit

No: 98/2015-16/Tue

Dated: 6th Dec., 2016



Weather summary of the previous week	Weather forecast valid up to 9 th Dec., 2016
Rainfall = 0.0 mm (Tezu)	Generally clear/dry weather forecasted. Max Temp=18°C and Min Temp=8°C, RH=15-61%, Wind Speed=5-7 kmph, Wind direction: E
Warning:	NIL

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

- Spraying operation should be done only on dry/clear weather
- Go for low cost polyhouses for year round cultivation of vegetables
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Crop	Stage	Pest/Disease	Precautionary Practices to be followed
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Pea	Seedling	Powdery mildew	<ul style="list-style-type: none"> Soil moisture conservation techniques like mulching with crop residue and provide life saving irrigation to the crops recommended. Foliar spray of urea@2% for moisture stress Provide irrigation to plants Complete sowing by 1st fortnight of Nov. for better yield Treat pea with rhizobium@2gm/kg seed before sowing or treat with carbendazim @ 2g/kg seed before sowing Spray Sulfex@2gm/lit water
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